

**UNITED STATES PATENT AND TRADEMARK OFFICE**

Re: Application of: Xavier VILANOVA et al.  
Serial No.: Not yet known  
Filed: Herewith  
For: ANALYZING SYSTEM FOR THE DETECTION  
OF REDUCING AND OXIDIZING GASES IN A  
CARRIER GAS WITH A METAL-OXIDE-  
SEMICONDUCTOR SENSOR ARRANGEMENT

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

June 15, 2005

Dear Sir:

Pursuant to M.P.E.P. §609 and 37 C.F.R. §§1.56, 1.97-1.99, applicant submits herewith an information disclosure citation which lists references of which the applicant is aware. A copy of each of the references is also submitted herewith.

An English translation of DE 195 34 557 is not available at this time. It is respectfully submitted that the relevance of this reference can be readily understood by referring to the drawings of the patent provided.

This submission does not represent that a search has been made or that no better art exists. While the term "references" is used in citing the publications called to the examiner's attention herein, applicants do not make any admission that each or all of them are "prior art" references within the meaning of the statutory and case law.

Applicant reserves the right to contend, where appropriate, that a reference asserted against any claim of the present application is not prior art under the facts and the law.

Applicant also reserves the right to present appropriate arguments and/or evidence to establish patentability over the references, should one or more of the references be applied against the claims of the present application.


Applicant respectfully requests that the examiner independently determine those items which the examiner would consider the most pertinent of all the references cited herein.

Applicant respectfully requests that the references be considered and made of record.

This Information Disclosure Statement is being filed simultaneously with the filing of the application and therefore no fee is due. However, in the event that a fee is required, the Director is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 500518.

Respectfully submitted,

By:



Dona C. Edwards  
Reg. No. 42,507

Encls. PTO-1449  
5 References  
International Search Report

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FORM PTO-1449  
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 932.1308

SERIAL NO.: Not yet known

10/538585

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): Xavier VILANOVA et al.

FILING DATE: Herewith

GROUP: Not yet known

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6	1	2	2	9	5	4	09/2000	Bowers	73	24.06	
	AB												
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	AL	1	9	5	3	4	5	57		Germany				X
	AM													
	AN													
	AO													
	AP													

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AQ	Hoefer et al. "CO and CO <sub>2</sub> Thin-Film SnO <sub>2</sub> Gas Sensors on Si Substrates". SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 22, no. 2, November 1, 1994, pages 115-119, XP004012434 ISSN: 0925-4005.
	AR	Kim et al. "CO <sub>2</sub> -Sensing Characteristics of SnO <sub>2</sub> Thick Film by Coating Lanthanum Oxide". SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 62, no. 1, January 2000, pages 61-66, XP004184491 ISSN: 0925-4005.
	AS	Llobet et al. "Quantitative Vapor Analysis Using the Transient Response of Non-Selective Thick-Film Tin Oxide Gas Sensors". 1997 INTERNATIONAL CONFERENCE ON SOLID-STATE SENSORS AND ACTUATORS. DIGEST OF TECHNICAL PAPERS. TRANSDUCERS 97. CHICAGO, IL, JUNE 16-19, 1997. SESSIONS 3A1-4D3. PAPERS NO. 3A1.01-4D3.14P, INTERNATIONAL CONFERENCE ON SOLID-STATE SENSORS AND ACTU, vol. 2, June 16, 1997, pages 971-974, XP010240638 ISBN: 0-7803-3829-4.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.